

DAC
ZFWIN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Lawrence G. Hopkins
Assignee: Huntair Inc.
Title: Fan Array Fan Section In Air-Handling Systems
Application No.: 10/806,775 Filing Date: 03/22/2004
Examiner: Ninh H. Nguyen Group Art Unit: 3745
Docket No.: HTR007-1P US Confirmation No.: 2371

Santa Clara, California
July 19, 2006

MAIL STOP PETITION
COMMISSIONER FOR PATENTS
P.O. BOX 1450
ALEXANDRIA, VA 22313-1450

PETITION TO WITHDRAW FROM ISSUE

Dear Sir:

Pursuant to 37 CFR § 1.313 (c)(2), Applicant petitions to withdraw the above-referenced application from issue to allow consideration of the enclosed Request for Continued Examination (RCE).

Withdrawal of the application from issue is required to allow the Examiner to consider the prior art references that are cited in the Supplemental Information Disclosure Statement submitted with the RCE. Applicant is submitting these references in fulfillment of his duty under 37 CFR § 1.56.

Should there be any questions regarding this petition, please telephone the undersigned at 408-982-8201.

Respectfully submitted,

07/21/2006 TBESHAH1 00000012 10006775

02 FC.1464

130.00 OP

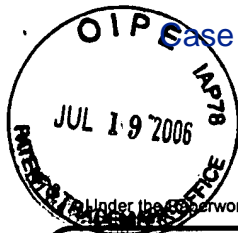
David E. Steuber
David E. Steuber
Attorney for Applicant(s)
Reg. No. 25,557

Express Mail Label No. EV 751419127 US

CL 250

SILICON VALLEY
PATENT GROUP LLP

2350 Mission College Blvd.
Suite 360
Santa Clara, CA 95054
(408) 982-8200
FAX (408) 982-8210



PTO/SB/17p (11-05)

Approved for use through 07/31/2007. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PETITION FEE
Under 37 CFR 1.17(f), (g) & (h)
TRANSMITTAL
 (Fees are subject to annual revision)

Send completed form to: Commissioner for Patents
 P.O. Box 1450, Alexandria, VA 22313-1450

Application Number	10/806,775
Filing Date	03/22/2004
First Named Inventor	Lawrence G. Hopkins
Art Unit	3745
Examiner Name	Kinh H. Nguyen
Attorney Docket Number	HTR007-IP US

Enclosed is a petition filed under 37 CFR 1.313 that requires a processing fee (37 CFR 1.17(f), (g), or (h)). Payment of \$ 130 is enclosed.

This form should be included with the above-mentioned petition and faxed or mailed to the Office using the appropriate Mail Stop (e.g., Mail Stop Petition), if applicable. For transmittal of processing fees under 37 CFR 1.17(i), see form PTO/SB/17i.

Payment of Fees (small entity amounts are NOT available for the petition fees)

- ☒ The Commissioner is hereby authorized to charge the following fees to Deposit Account No. 50-2263 :
☐ petition fee under 37 CFR 1.17(f), (g) or (h) ☒ any deficiency of fees and credit of any overpayments
 Enclose a duplicative copy of this form for fee processing.

☐ Check in the amount of \$ _____ is enclosed.

☒ Payment by credit card (Form PTO-2038 or equivalent enclosed). Do not provide credit card information on this form.

Petition Fees under 37 CFR 1.17(f): Fee \$400 Fee Code 1462

For petitions filed under:

- § 1.36(a) - for revocation of a power of attorney by fewer than all applicants
- § 1.53(e) - to accord a filing date.
- § 1.57(a) - to accord a filing date.
- § 1.182 - for decision on a question not specifically provided for.
- § 1.183 - to suspend the rules.
- § 1.378(e) - for reconsideration of decision on petition refusing to accept delayed payment of maintenance fee in an expired patent.
- § 1.741(b) - to accord a filing date to an application under § 1.740 for extension of a patent term.

Petition Fees under 37 CFR 1.17(g): Fee \$200 Fee Code 1463

For petitions filed under:

- § 1.12 - for access to an assignment record.
- § 1.14 - for access to an application.
- § 1.47 - for filing by other than all the inventors or a person not the inventor.
- § 1.59 - for expungement of information.
- § 1.103(a) - to suspend action in an application.
- § 1.136(b) - for review of a request for extension of time when the provisions of section 1.136(a) are not available.
- § 1.295 - for review of refusal to publish a statutory invention registration.
- § 1.296 - to withdraw a request for publication of a statutory invention registration filed on or after the date the notice of intent to publish issued.
- § 1.377 - for review of decision refusing to accept and record payment of a maintenance fee filed prior to expiration of a patent.
- § 1.550(c) - for patent owner requests for extension of time in ex parte reexamination proceedings.
- § 1.956 - for patent owner requests for extension of time in inter partes reexamination proceedings.
- § 5.12 - for expedited handling of a foreign filing license.
- § 5.15 - for changing the scope of a license.
- § 5.25 - for retroactive license.

Petition Fees under 37 CFR 1.17(h): Fee \$130 Fee Code 1464

For petitions filed under:

- § 1.19(g) - to request documents in a form other than that provided in this part.
- § 1.84 - for accepting color drawings or photographs.
- § 1.91 - for entry of a model or exhibit.
- § 1.102(d) - to make an application special.
- § 1.138(c) - to expressly abandon an application to avoid publication.
- § 1.313 - to withdraw an application from issue.
- § 1.314 - to defer issuance of a patent.

David E. Steuber

Signature

David E. Steuber

Typed or printed name

07/19/2006

Date

25,557

Registration No., if applicable

This collection of information is required by 37 CFR 1.17. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 5 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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 CL 251



PTO/SB/21 (09-04)

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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

9

Application Number

10/806,775

Filing Date

03/22/2004

First Named Inventor

Lawrence G. Hopkins

Art Unit

3744

Examiner Name

Ninh H. Nguyen

Attorney Docket Number

HTR007-1P US

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input checked="" type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	Petition Fee Transmittal
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	Request For Continued Examination
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	Credit Card Payment Form
<input type="checkbox"/> Reply to Missing Parts/Incomplete Application	<input type="checkbox"/> Landscape Table on CD	Return Postcard
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53		

Remarks

Please charge any unpaid fee(s) or underpayment of fee(s) to Deposit Account No. 50-2263.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Silicon Valley Patent Group LLP		
Signature			
Printed name	David E. Steuber		
Date	July 19, 2006	Reg. No.	25,557

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature	Express Mail Label No. EV 751419127 US		
Typed or printed name		Date	

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

EV751419127US
CL 252



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventors: Lawrence G. Hopkins
Assignee: Huntair Inc.
Title: Fan Array Fan Section In Air-Handling Systems
Serial No.: 10/806,775 Filing Date: 03/22/2004
Examiner: Ninh H. Nguyen Group Art Unit: 3745
Docket No.: HTR007-1P US Confirmation No: 2371

Santa Clara, California
July 19, 2006

MAIL STOP PETITION
COMMISSIONER FOR PATENTS
P.O. BOX 1450
ALEXANDRIA, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Pursuant to 37 C.F.R. § 1.56, §1.97 and §1.98, the Applicant submits for consideration in the above-identified patent application the documents listed on the accompanying Form PTO-1449. The Examiner is requested to make these documents of record.

This Supplemental Information Disclosure Statement is submitted in conjunction with the accompanying Request for Continued Examination.

Applicant would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein.

Applicant presumes that the Examiner has access to the file histories of the pending U.S. applications listed on the enclosed Form PTO-1449 and hence to the claims and arguments made in support of and against such claims in those applications. If this presumption is incorrect in any respect, the Applicant requests the Examiner to so him so that the Applicant may submit copies of any materials that are unavailable to the Examiner.

EXPRESS MAIL LABEL NO. EV 751419127 US

SILICON VALLEY
PATENT GROUP LLP
2350 Mission College Blvd.
Suite 360
Santa Clara, CA 95054
(408) 982-8200
FAX (408) 982-8210

The submittal of this Supplemental Information Disclosure Statement is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.


Respectfully submitted,

A handwritten signature in black ink, appearing to read "David E. Steuber". The signature is fluid and cursive, with the first name "David" being the most prominent.

David E. Steuber
Attorney for Applicants
Reg. No. 25,557

SILICON VALLEY
PATENT GROUP LLP

2350 Mission College Blvd.
Suite 360
Santa Clara, CA 95054
(408) 982-8200
FAX (408) 982-8210

U.S. Department of Commerce, Patent and Trademark Office  INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	Application No.:	10/806,775
	Filing Date:	03/22/2004
	First Named Inventor:	Lawrence G. Hopkins
	Group Art Unit:	3745
	Examiner Name:	Ninh H. Nguyen
	Confirmation No.:	2371
	Attorney Docket No.:	HTR007-1P US

U.S. Patent Documents

*Examiner Initials		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	1.	5,701,750	12-1997	Ray	62	160	
	2.	4,021,213	05-1977	Neidhardt et al.	62	180	
	3.	3,156,233	11-1964	O'Connell	126	110	
	4.	6,792,766	09-2004	Osborne et al.	62	159	
	5.	6,961,248	11-2005	Vincent et al.	361	796	
	6.	6,791,836	09-2004	Cipolla et al.	361	687	
	7.	5,788,568	08-1998	Ito et al.	454	188	
	8.	2005/0180846	08-2005	Hopkins	415	119	
	9.	2005/0232753	10-2005	Hopkins	415	119	

Foreign Patent Documents

							Translation	
		Document	Date	Country	Class	Subclass	Yes	No

Non Patent Literature Documents

Examiner:	Date Considered:
* Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication with applicant.	

EXPRESS MAIL LABEL NO. EV 751419127 US

CL 255



PTO/SB/30 (04-05)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Request for Continued Examination (RCE) Transmittal

Address to:
Mail Stop RCE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Application Number	10/806,775
Filing Date	03/22/2004
First Named Inventor	Lawrence G. Hopkins
Art Unit	3745
Examiner Name	Ninh H. Nguyen
Attorney Docket Number	HTR007-1P US

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application.
Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application. See Instruction Sheet for RCEs (not to be submitted to the USPTO) on page 2.

1. **Submission required under 37 CFR 1.114** Note: If the RCE is proper, any previously filed unentered amendments and amendments enclosed with the RCE will be entered in the order in which they were filed unless applicant instructs otherwise. If applicant does not wish to have any previously filed unentered amendment(s) entered, applicant must request non-entry of such amendment(s).

- a. ☐ Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.
- i. ☐ Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____
- ii. ☐ Other _____
- b. ☒ Enclosed
- i. ☐ Amendment/Reply
- iii. ☒ Information Disclosure Statement (IDS)
- ii. ☐ Affidavit(s)/ Declaration(s)
- iv. ☐ Other _____

2. Miscellaneous

- a. ☐ Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of _____ months. (Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(i) required)
- b. ☐ Other _____

3. Fees

- The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.
- The Director is hereby authorized to charge the following fees, any underpayment of fees, or credit any overpayments, to Deposit Account No. 50-2263. I have enclosed a duplicate copy of this sheet.
- a. ☒ ☒ RCE fee required under 37 CFR 1.17(e)
- ii. ☐ Extension of time fee (37 CFR 1.136 and 1.17)
- iii. ☐ Other _____
- b. ☐ Check in the amount of \$ _____ enclosed
- c. ☒ Payment by credit card (Form PTO-2038 enclosed)

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

Signature	<i>David E. Steuber</i>	Date	07/19/2006
Name (Print/Type)	David E. Steuber	Registration No.	25,557

CERTIFICATE OF MAILING OR TRANSMISSION

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop RCE, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 or facsimile transmitted to the U.S. Patent and Trademark Office on the date shown below.

Signature	EXPRESS MAIL LABEL NO. EV 751419127 US
Name (Print/Type)	Date

This collection of information is required by 37 CFR 1.114. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

CL 256

FORM PTO-302 (REV. 12-87)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		DATE 25-Jul-06	
PATENT WITHDRAWAL NOTICE				14845	
<p>The following WITHDRAWAL and SUBSTITUTION, where appropriate, has been made in the issue of <u>Tuesday, August 08, 2006</u></p>					
WITHDRAWAL			SUBSTITUTION		
SERIAL NO. 10/806,775			SERIAL NO.		
PATENT NUMBER 7,086,826			PATENT NUMBER		
DRAWINGS 000			DRAWINGS		
CLASS 415/119			CLASS		
NAME AND ADDRESS LAWRENCE G. HOPKINS PORTLAND, OR			NAME AND ADDRESS		
ASSIGNEE			ASSIGNEE		
TITLE FAN ARRAY FAN SECTION IN AIR-HANDLING SYSTEMS			TITLE		
APPROVED <div style="text-align: center;"> <u>Mary Louise McAskill, Manager</u> Statistical Analysis Division </div>					



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
P.O. BOX 1450
ALEXANDRIA, VA 22313-1450
www.uspto.gov

Paper No. _____

Date : July 25, 2006
TO : Director, Office of Patent Publication
FROM : Office of the Deputy Commissioner
for Patent Examination Policy
SUBJECT : Withdrawal from Issue of

Applicant(s) : Lawrence G. Hopkins
Application No. : 10/806,775
Filed : March 22, 2004


The above-identified application has been assigned Patent No. 7,086,826 and an issue date of August 8, 2006.

It is hereby directed that this application be withdrawn from issue at the request of the applicant.

Do not refund the issue fee.

The following erratum should be published in the Official Gazette if the above-identified application is published in the OG of August 8, 2006:

"All reference to Patent No. 7,086,826 to Lawrence G. Hopkins of Oregon for FAN ARRAY FAN SECTION IN AIR-HANDLING SYSTEMS appearing in the Official Gazette of August 8, 2006 should be deleted since no patent was granted."


Karen Creasy
Petitions Examiner
Office of Petitions
Office of the Deputy Commissioner
for Patent Examination Policy

cc: Paul Harrison, MDW-4B03, (FAX-273-5468)
Deneise Boyd, MDE-3D39 (FAX-273-5124)
Mary Louise McAskill, ST-8C15 (FAX 305-4372)
Niomi Farmer, ST-8C14 (FAX-305-4372)
Mary E. Johnson (Cookie), MDE-7C71 (FAX 273-0038)
Duane Davis P/OPC MDE-7D89



UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents
United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450
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SILICON VALLEY PATENT GROUP
2350 MISSION COLLEGE BOULEVARD
SUITE 360
SANTA CLARA CA 95054

COPY MAILED

JUL 25 2006

OFFICE OF PETITIONS

In re Application of :
Lawrence G. Hopkins :
Application No. 10/806,775 :
Filed: March 22, 2004 :
Attorney Docket No. HTR007-1P-US :

ON PETITION

This is a decision on the petition, filed July 19, 2006, under 37 CFR 1.313(c)(2) to withdraw the above-identified application from issue after payment of the issue fee.

The petition is **GRANTED**.

The above-identified application is withdrawn from issue for consideration of a submission under 37 CFR 1.114 (request for continued examination). See 37 CFR 1.313(c)(2).

Petitioner is advised that the issue fee paid on February 8, 2006, in the above-identified application cannot be refunded. If, however, the above-identified application is again allowed, petitioner may request that it be applied towards the issue fee required by the new Notice of Allowance.¹

Telephone inquiries should be directed to the undersigned at (571) 272-3208.

The examiner of Technology Center AU 3745 will consider the request for continued examination under 37 CFR 1.114.

Karen Creasy
Karen Creasy
Petitions Examiner
Office of Petitions

¹ The request to apply the issue fee to the new Notice may be satisfied by completing and returning the new Issue Fee Transmittal Form PTOL-85(b), which includes the following language thereon: "Commissioner for Patents is requested to apply the Issue Fee and Publication Fee (if any) or re-apply any previously paid issue fee to the application identified above." Petitioner is advised that, whether a fee is indicated as being due or not, the Issue Fee Transmittal Form **must** be completed and timely submitted to avoid abandonment. Note the language in bold text on the first page of the Notice of Allowance and Fee(s) Due (PTOL-85).



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/806,775

03/22/2004

Lawrence G. Hopkins

HTR007-1P US

2371

34036

7590

08/11/2006

SILICON VALLEY PATENT GROUP LLP
2350 MISSION COLLEGE BOULEVARD
SUITE 360
SANTA CLARA, CA 95054

EXAMINER

NGUYEN, NINH H

ART UNIT

PAPER NUMBER

3745

DATE MAILED: 08/11/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/806,775

Applicant(s)

HOPKINS, LAWRENCE G.

Examiner

Ninh H. Nguyen

Art Unit

3745

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 19 July 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-10, 21, 25, 27, 29 and 31-47 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-10, 21, 25, 27 and 29 is/are allowed.
- 6) ☒ Claim(s) 32-40 and 45-47 is/are rejected.
- 7) ☒ Claim(s) 41-44 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 22 March 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement-drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>07/19/06</u> | 6) <input type="checkbox"/> Other: _____ |

Application/Control Number: 10/806,775
Art Unit: 3745

Page 2

DETAILED ACTION

This Office Action is in response to the Request for Continued Examination (RCE) dated 19 July 2006. While reviewing the references list in the PTO form 1449 submitted with the RCE, it is determined that on of those references reads on claims 32-40, and 45-47. Therefore, the Examiner regretfully withdraws the allowability of these claims.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 32-38, 40, and 45-47 are rejected under 35 U.S.C. 102(e) as being anticipated by Osborne et al. (6,792,766).

Osborne discloses fan array fan section of an air-handling system (Figs. 10-16), comprising a plurality of independently controllable fan units (Fig. 10), each fan unit comprising an inlet cone, a fan, and a motor; said plurality of fan units arranged in a fan array; an air-handling compartment (the attic of the house shown in Fig. 10) within which said fan array of fan units is positioned; and an array controller 333 for controlling said plurality of fan units to selective ones of said plurality of fan units on and off (col. 15, lines 29-58);

wherein said air-handling compartment has an airway path 330, said airway path being less than 72 inches (judging from the size of an air duct of a typical residential unit);

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Page 3

wherein said plurality of fan units are a plurality of fan units arranged in a true fan array configuration (Fig. 10);

wherein each of the plurality of fan units is positioned within a fan unit chamber (Fig. 10);

wherein each of the plurality of fan units is suspended within a respective fan unit chamber such that there is an air relief passage therebelow (Fig. 10); and

wherein the air-handling compartment positionable within a structure 300 such that the air-handling system conditions the air of the structure.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claim 40 is rejected under 35 U.S.C. 103(a) as being unpatentable over Osborne in view of O'Connell (3,156,233).

Osborne discloses all the limitations except the fan unit chambers each does not have at least one acoustically absorptive insulation surface as claimed.

O'Connell teaches an air-handling apparatus comprising a fan 20 disposed in a chamber 10 wherein the chamber 10 comprising a plurality of fiberboards 37 positioned at various locations within the chamber to absorb the fan noise (col. 1, lines 47-53).

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Art Unit: 3745

It would have been obvious to a person having ordinary skill in the art at the time the invention was made, to make the fan unit chambers of Osborne with a plurality of fiberboards disposed within each fan unit chamber for the purpose of absorbing the fan noise as taught by O'Connell.

Allowable Subject Matter

5. Claims 1-10, 21, 25, 27, 29, and 31 allowed.
6. Claims 41-44 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Prior Art

The prior art made of record but not relied upon is considered pertinent to applicant's disclosure and consists of 1 patent.

Terrell et al. (6,675,739) is cited to show an air handling system having an array of fans.

Conclusion

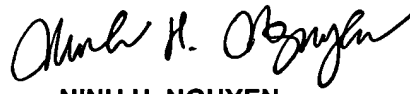
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Ninh Nguyen whose telephone number is (571) 272-4823. The examiner can be normally reached on Monday-Friday from 7:30 A.M. to 5:00 P.M.

Application/Control Number: 10/806,775
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Page 5

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Look, can be reached at (571) 272-4820. The fax number for this group is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, please go to <http://pair-direct.uspto.gov> or contact the Electronic Business center (EBC) at 866-217-9197 (toll-free).


NINH H. NGUYEN
PRIMARY EXAMINER

Nhn
August 7, 2006

Notice of References Cited	Application/Control No. 10/806,775	Applicant(s)/Patent Under Reexamination HOPKINS, LAWRENCE G.	
	Examiner Ninh H. Nguyen	Art Unit 3745	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-6,675,739	01-2004	Terrell et al.	119/448
	B	US-			
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

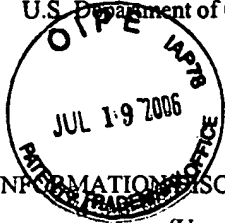
*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
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NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
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	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Sheet 1 of 1

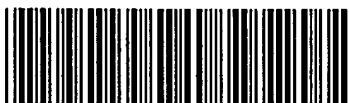
U.S. Department of Commerce, Patent and Trademark Office  INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	Application No.:	10/806,775
	Filing Date:	03/22/2004
	First Named Inventor:	Lawrence G. Hopkins
	Group Art Unit:	3745
	Examiner Name:	Ninh H. Nguyen
	Confirmation No.:	2371
	Attorney Docket No.:	HTR007-1P US

U.S. Patent Documents								
*Examiner Initials		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate	
NN	1.	5,701,750	12-1997	Ray	62	160		
	2.	4,021,213	05-1977	Neidhardt et al.	62	180		
	3.	3,156,233	11-1964	O'Connell	126	110		
	4.	6,792,766	09-2004	Osborne et al.	62	159		
	5.	6,961,248	11-2005	Vincent et al.	361	796		
	6.	6,791,836	09-2004	Cipolla et al.	361	687		
	7.	5,788,568	08-1998	Ito et al.	454	188		
	8.	2005/0180846	08-2005	Hopkins	415	119		
NN	9.	2005/0232753	10-2005	Hopkins	415	119		
Foreign Patent Documents								
							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
Non Patent Literature Documents								

Examiner: /Ninh Nguyen/	Date Considered: 07/26/2006
* Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication with applicant.	

EXPRESS MAIL LABEL NO. EV 751419127 US

CL 267

Index of Claims

Application/Control No.

10/806,775

Examiner

Ninh H. Nguyen

Applicant(s)/Patent under
Reexamination

HOPKINS, LAWRENCE G.

Art Unit

3745

√	Rejected
=	Allowed

—	(Through numeral) Cancelled
+	Restricted

N	Non-Elected
I	Interference

A	Appeal
O	Objected

Claim		Date						
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Search Notes

Application/Control No.

10/806,775

Examiner

Ninh H. Nguyen

Applicant(s)/Patent under
Reexamination

HOPKINS, LAWRENCE G.

Art Unit

3745

SEARCHED

Class	Subclass	Date	Examiner
above	updated	8/7/2006	NHN

INTERFERENCE SEARCHED

Class	Subclass	Date	Examiner

**SEARCH NOTES
(INCLUDING SEARCH STRATEGY)**

	DATE	EXMR
Updated East search	8/7/2006	NHN

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
PATENT APPLICATION EXAMINING OPERATIONS**

Appl. No. : 10/806,775
Applicant : Hopkins, Lawrence G.
Filed : March 22, 2004
TC/A.U. : 3745
Examiner : Nguyen, Ninh H.
Docket No. : CDM/8887.0006
Customer No. : 00152



Confirmation No.: 2371

AMENDMENT

1600 ODS Tower
601 S.W. Second Avenue
Portland, OR 97204

September 21, 2006

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In response to the Office Action dated August 11, 2006, please amend the above-identified application as follows:

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks begin on page 10 of this paper.

Appl. No. 10/806,775
Amdt. dated September 21, 2006
Reply to Office action of August 11, 2006

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (previously presented): A fan array fan section in an air handling system comprising:

- (a) at least six fan units;
- (b) said at least six fan units arranged in a fan array; and
- (c) an array controller for controlling said at least six fan units to run at substantially peak efficiency by strategically turning selected ones of said at least six fan units on and off, wherein each fan unit has a peak efficiency operating range outside of which it operates at a reduced efficiency, and wherein said array controller is programmed to operate said at least six fan units at substantially peak efficiency by strategically turning off at least one fan unit operating at reduced efficiency and running the remaining fan units within said peak efficiency operating range.

Claim 2 (previously presented): The fan array fan section in an air handling system of Claim 1, wherein said at least six fan units are plenum fans.

Claim 3 (original) The fan array section in an air handling system of Claim 1, wherein said air handling compartment has an airway path, said airway path being less than 72 inches.

Claim 4 (previously presented) The fan array section in an air handling system of Claim 1, wherein said at least six fan units are a plurality of fan units arranged in a fan array configuration selected from the group consisting of:

- (a) a true array configuration;

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Reply to Office action of August 11, 2006

- (b) a spaced pattern array configuration;
- (c) a checkerboard array configuration;
- (d) rows slightly offset array configuration;
- (e) columns slightly offset array configuration; and
- (f) a staggered array configuration.

Claim 5 (previously presented) The fan array fan section in an air handling system of Claim 1, wherein said at least six fan units include at least two vertically arranged fan units.

Claim 6 (previously presented) The fan array section in an air handling system of Claim 1, wherein each of said at least six fan units is positioned within a fan unit chamber;

Claim 7 (previously presented) The fan array fan section in an air handling system of Claim 1, wherein each of said at least six fan units is suspended within a respective said fan unit chamber such that there is an air relief passage therebelow.

Claim 8 (previously presented) The fan array section in an air handling system of Claim 1, wherein each of said at least six fan units is positioned within a fan unit chamber having at least one acoustically absorptive insulation surface.

Claim 9 (previously presented) The fan array fan section in an air handling system of Claim 1, wherein each of said at least six fan units are mounted in a grid system.

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Claim 10 (previously presented) The fan array fan section in an air handling system of Claim 1, wherein each of said at least six fan units has a fan wheel diameter, wherein spacing between said at least six fan units is less than 60 percent of said fan wheel diameter.

Claims 11-20 (canceled)

Claim 21 (previously presented) The fan array section in an air handling system of Claim 1, further comprising an array of backdraft dampeners, each backdraft dampener in line with a respective fan unit.

Claims 22-24 (canceled)

Claim 25 (previously presented) The fan array section in an air handling system of Claim 1, said array controller is programmed to operate said at least six fan units at peak efficiency for a performance level based on a criteria selected from the following group of criteria:

- (a) Air volume;
- (b) level of air flow;
- (c) pattern of air flow; and
- (d) number of fan units to operate.

Claim 26 (canceled)

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Reply to Office action of August 11, 2006

Claim 27 (previously presented) The fan array fan section in an air handling system of Claim 1, said array controller is programmed to operate said at least six fan units to produce a stable operating point and eliminate the surge effects.

Claim 28 (canceled)

Claim 29 (previously presented) The fan array fan section in an air handling system of Claim 1, said array controller is programmed to selectively control the speed of each of said at least six fan units to run at substantially peak efficiency.

Claim 30 (canceled)

Claim 31 (previously presented) The fan array section in an air handling system of Claim 1, said air handling compartment positionable within a structure such that said air handling system conditions the air of said structure.

Claim 32 (amended) A fan array fan section in an air handling system comprising:

- (a) A plurality of independently controllable fan units, each fan unit comprising an inlet cone, a fan, and a motor;
- (b) said plurality of fan units arranged in a fan array;
- (c) an air handling compartment within which said fan array of said fan units is positioned; and

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Amdt. dated September 21, 2006

Reply to Office action of August 11, 2006

- (d) an array controller for controlling said plurality of fan units to run at substantially peak efficiency by strategically turning selective ones of said plurality of fan units on and off; wherein
- (e) each of said plurality of fan units has a fan wheel diameter, wherein spacing between said plurality of fan units is less than 60% of said fan wheel diameter.

Claim 33 (previously presented) The fan array fan section in an air handling system of Claim 32, wherein said plurality of fan units are plenum fans.

Claim 34 (previously presented) The fan array fan section in an air handling system of Claim 32, wherein said air handling compartment has an airway path, said airway path being less than 72 inches.

Claim 35 (previously presented) The fan array fan section in an air handling system of Claim 32, wherein said plurality of fan units are a plurality of fan units arranged in a fan array configuration selected from the group consisting of:

- (a) a true array configuration;
- (b) a spaced pattern array configuration;
- (c) a checkerboard array configuration;
- (d) rows slightly offset array configuration;
- (e) columns slightly offset array configuration; and

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Amdt. dated September 21, 2006

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(f) a staggered array configuration.

Claim 36 (previously presented) The fan array section in an air handling system of Claim 32, wherein said plurality of fan units includes at least two vertically arranged fan units.

Claim 37 (previously presented) The fan array fan section in an air handling system of Claim 32, wherein each of said plurality of fan units is positioned within a fan unit chamber.

Claim 38 (previously presented) The fan array fan section in an air handling system of Claim 32, wherein each of said plurality of fan units is suspended within a respective said fan unit chamber such that there is an air relief passageway therebelow.

Claim 39 (previously presented) The fan array fan section in an air handling system of Claim 32, wherein each of said plurality of fan units is positioned within a fan unit chamber having at least one acoustically absorptive insulation surface.

Claim 40 (previously presented) The fan array fan section in an air handling system of Claim 32, wherein each of said plurality of fan units is mounted in a grid system.

Claim 41 (canceled)

Claim 42 (previously presented) The fan array fan section in an air handling system of Claim 32, further comprising an array of backdraft dampers, each backdraft damper in line with a respective fan unit.

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Claim 43 (previously presented) The fan array section in an air handling system of Claim 32, wherein each fan unit has a peak efficiency operating range outside of which it operates at a reduced efficiency, wherein said array controller is programmed to operate said plurality of fan units at substantially peak efficiency by strategically turning off at least one fan unit operating at reduced efficiency and running the remaining fan units within said peak efficiency operating range.

Claim 44 (previously presented) The fan array fan section in an air handling system of Claim 32, said array controller is programmed to operate said plurality of fan units at peak efficiency for a performance level based on a criteria selected from the following group of criteria:

- (a) Air volume;
- (b) level of air flow;
- (c) pattern of air flow; and
- (d) number of fan units to operate.

Claim 45 (previously presented) The fan array fan section in an air handling system of Claim 32, said array controller is programmed to operate said plurality of fan units to produce a stable operating point and eliminate the surge effects.

Claim 46 (previously presented) The fan array section in an air handling system of Claim 32, said array controller is programmed to selectively control the speed of each of said plurality of fan units to run at substantially peak efficiency.

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Amdt. dated September 21, 2006

Reply to Office action of August 11, 2006

Claim 47 (previously presented) The fan array section in an air handling system of Claim 32, said air handling compartment positionable within a structure such that said air handling system conditions the air of said structure.

Appl. No. 10/806,775
Amdt. dated September 21, 2006
Reply to Office action of August 11, 2006

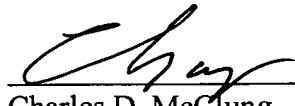
REMARKS

Claims 1-10, 21, 25, 27, 29 and 31-47 are pending in this application. Claims 1-10, 21, 25, 27 and 29 are allowed. Claims 41-44 are objected to and Claims 32-40 and 45-47 are rejected.

Claim 32 has been amended to include all of the limitations of allowable Claim 41 and Claim 41 has been canceled. Since Claim 41 was found to be allowable if written in independent form, Claim 32 is now allowable. Claims 33-40 and 42-47 all depend from Claim 32. Accordingly, these claims are allowable on the same basis as Claim 32.

All of the claims in the application are now allowable and it is requested that the application be allowed and passed to issue.

Respectfully submitted,

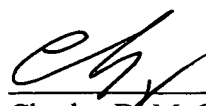


Charles D. McClung
Reg. No. 26,568
Tel. No.: (503) 227-5631

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on September 21, 2006.

Dated: September 21, 2006



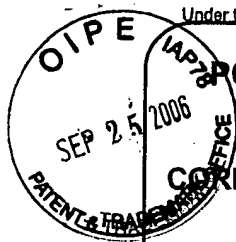
Charles D. McClung

PTO/SB/81 (01-06)

Approved for use through 12/31/2008. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



**POWER OF ATTORNEY
and
CORRESPONDENCE ADDRESS
INDICATION FORM**

Application Number	10/806,775
Filing Date	March 22, 2004
First Named Inventor	
Title	FAN ARRAY FAN SECTION IN AIR HANDLING SYSTEM
Art Unit	
Examiner Name	
Attorney Docket Number	CDM/8882.9999

I hereby revoke all previous powers of attorney given in the above-identified application.

I hereby appoint:

☒ Practitioners associated with the Customer Number:

00152

OR

☐ Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

☐ The address associated with the above-mentioned Customer Number

OR

☐ The address associated with Customer Number:

OR

<input checked="" type="checkbox"/> Firm or Individual Name	Charles D. McClung		
Address	1600 ODS Tower 601 SW Second Avenue		
City	Portland	State OR	ZIP 97204-3157
Country	USA		
Telephone	(503) 227-5631	Email	chuck@chernofflaw.com

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.

Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

SIGNATURE of Applicant or Assignee of Record

Signature		Date	8/25/2006
Name	Kevin W. Donnelly	Telephone	(401) 751-1600
Title and Company	Vice President, General Counsel and Secretary - Huntair, Inc.		

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

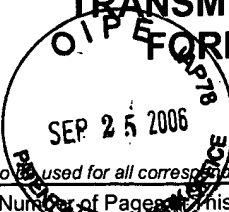
☐ *Total of _____ forms are submitted.

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

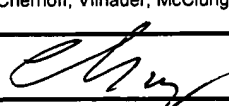
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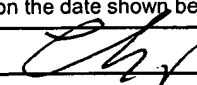
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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM  (to be used for all correspondence after initial filing)	Application Number	10/806,775	
	Filing Date	March 22, 2004	
	First Named Inventor	Hopkins, Lawrence G.	
	Art Unit	3745	
	Examiner Name	Nguyen, Ninh H.	
Total Number of Pages in this Submission	12	Attorney Docket Number	CDM/8887.0006

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input checked="" type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): return acknowledgment postcard
Remarks 		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm	Chernoff, Vilhauer, McClung & Stenzel, LLP		
Signature			
Printed Name	Charles D. McClung		
Date	September 21, 2006	Reg. No.	26,568

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Signature			
Typed or printed name	Charles D. McClung	Date	September 21, 2006

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PATENT APPLICATION FEE DETERMINATION RECORD

Effective October 1, 2003

Application or Docket Number

10806775

CLAIMS AS FILED - PART I

(Column 1)

(Column 2)

TOTAL CLAIMS	20	
FOR	NUMBER FILED	NUMBER EXTRA
TOTAL CHARGEABLE CLAIMS	20 minus 20 =	0
INDEPENDENT CLAIMS	2 minus 3 =	0
MULTIPLE DEPENDENT CLAIM PRESENT		<input type="checkbox"/>

* If the difference in column 1 is less than zero, enter "0" in column 2

CLAIMS AS AMENDED - PART II

(Column 1)

(Column 2)

(Column 3)

AMENDMENT A		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
	Total	30	Minus	31	1
	Independent	2	Minus	3	0
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>				

(Column 1)

(Column 2)

(Column 3)

AMENDMENT B		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
	Total	*	Minus	**	=
	Independent	*	Minus	***	=
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>				

(Column 1)

(Column 2)

(Column 3)

AMENDMENT C		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
	Total	*	Minus	**	=
	Independent	*	Minus	***	=
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>				

SMALL ENTITY TYPE ☐

OR OTHER THAN SMALL ENTITY

RATE	FEE
BASIC FEE	385.00
X\$ 9=	0
X43=	0
+145=	0
TOTAL	385

RATE	FEE
BASIC FEE	770.00
X\$18=	
X86=	
+290=	
TOTAL	

SMALL ENTITY TYPE ☐

OR OTHER THAN SMALL ENTITY

RATE	ADDITIONAL FEE
X\$ 9=	
X43=	
+145=	
TOTAL ADDIT. FEE	

RATE	ADDITIONAL FEE
X\$18=	
X86=	
+290=	
TOTAL ADDIT. FEE	

RATE	ADDITIONAL FEE
X\$ 9=	
X43=	
+145=	
TOTAL ADDIT. FEE	

RATE	ADDITIONAL FEE
X\$18=	
X86=	
+290=	
TOTAL ADDIT. FEE	

RATE	ADDITIONAL FEE
X\$ 9=	
X43=	
+145=	
TOTAL ADDIT. FEE	

RATE	ADDITIONAL FEE
X\$18=	
X86=	
+290=	
TOTAL ADDIT. FEE	

- * If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
 - ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20."
 - *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3."
- The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 www.uspto.gov

APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
10/806,775	03/22/2004	Lawrence G. Hopkins	CDM/8882.9999

00152
 CHERNOFF, VILHAUER, MCCLUNG & STENZEL
 1600 ODS TOWER
 601 SW SECOND AVENUE
 PORTLAND, OR 97204-3157

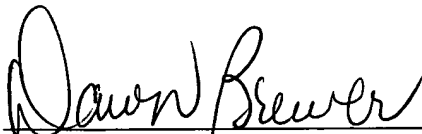
CONFIRMATION NO. 2371
 OC000000020632947
 OC000000020632947

Date Mailed: 09/28/2006

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 09/25/2006.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.


 DAWN BREWER
 3700 (571) 272-4331

OFFICE COPY

CL 283



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
10/806,775	03/22/2004	Lawrence G. Hopkins	HTR007-1P US

34036
SILICON VALLEY PATENT GROUP LLP
2350 MISSION COLLEGE BOULEVARD
SUITE 360
SANTA CLARA, CA 95054

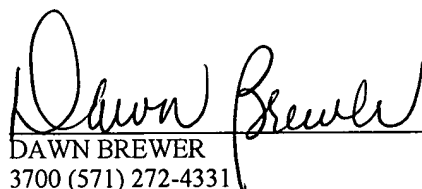
CONFIRMATION NO. 2371
OC000000020632885
OC000000020632885

Date Mailed: 09/28/2006

NOTICE REGARDING CHANGE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 09/25/2006.

- The Power of Attorney to you in this application has been revoked by the assignee who has intervened as provided by 37 CFR 3.71. Future correspondence will be mailed to the new address of record(37 CFR 1.33).


DAWN BREWER
3700 (571) 272-4331

OFFICE COPY

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	(fan and array and plurality and compartment and efficiency and operat\$3 and controller and peak and strategic\$3).clm.	US-PGPUB	OR	ON	2006/10/06 09:06



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

00152 7590 10/12/2006
 CHERNOFF, VILHAUER, MCCLUNG & STENZEL
 1600 ODS TOWER
 601 SW SECOND AVENUE
 PORTLAND, OR 97204-3157

EXAMINER	
NGUYEN, NINH H	
ART UNIT	PAPER NUMBER
3745	
DATE MAILED: 10/12/2006	

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/806,775	03/22/2004	Lawrence G. Hopkins	CDM/8882.9999	2371

TITLE OF INVENTION: FAN ARRAY FAN SECTION IN AIR-HANDLING SYSTEMS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$0	\$1400	\$1400	01/12/2007

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
- B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

00152 7590 10/12/2006

CHERNOFF, VILHAUER, MCCLUNG & STENZEL
 1600 ODS TOWER
 601 SW SECOND AVENUE
 PORTLAND, OR 97204-3157

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/806,775	03/22/2004	Lawrence G. Hopkins	CDM/8882.9999	2371

TITLE OF INVENTION: FAN ARRAY FAN SECTION IN AIR-HANDLING SYSTEMS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$0	\$1400	\$1400	01/12/2007

EXAMINER	ART UNIT	CLASS-SUBCLASS
NGUYEN, NINH H	3745	415-119000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 _____

2 _____

3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☐ Issue Fee
- ☐ Publication Fee (No small entity discount permitted)
- ☐ Advance Order - # of Copies _____

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
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 Alexandria, Virginia 22313-1450
 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/806,775	03/22/2004	Lawrence G. Hopkins	CDM/8882.9999	2371
00152	7590	10/12/2006	EXAMINER	
CHERNOFF, VILHAUER, MCCLUNG & STENZEL 1600 ODS TOWER 601 SW SECOND AVENUE PORTLAND, OR 97204-3157			NGUYEN, NINH H	
			ART UNIT	PAPER NUMBER
			3745	
DATE MAILED: 10/12/2006				

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
 (application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability	Application No.	Applicant(s)	
	10/806,775	HOPKINS, LAWRENCE G.	
	Examiner	Art Unit	
	Ninh H. Nguyen	3745	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment dated 25 September 2006.
2. ☒ The allowed claim(s) is/are 1-10, 21, 25, 27, 29, 31-40 and 42-47.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

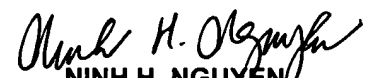
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.


4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |


 NINH H. NGUYEN
 PRIMARY EXAMINER

Issue Classification 	Application/Control No. 10/806,775	Applicant(s)/Patent under Reexamination HOPKINS, LAWRENCE G.
	Examiner Ninh H. Nguyen	Art Unit 3745

ISSUE CLASSIFICATION												
ORIGINAL					INTERNATIONAL CLASSIFICATION							
CLASS		SUBCLASS			CLAIMED					NON-CLAIMED		
415		61			F	04	D	25	/16			/
CROSS REFERENCES								/			/	
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)							/			/	
415	119							/			/	
416	120							/			/	
417	3	423.5	426					/			/	
								/			/	
								/			/	

(Assistant Examiner) (Date) <i>K Cooper</i> 10/11/06 (Legal Instruments Examiner) (Date)		<i>Ninh H. Nguyen</i> NINH H. NGUYEN PRIMARY EXAMINER 10/06/06 (Primary Examiner) (Date)	Total Claims Allowed: 30 O.G. Print Claim(s) 1 O.G. Print Fig. 17	
--	--	--	--	--

<input type="checkbox"/> Claims renumbered in the same order as presented by applicant				<input type="checkbox"/> CPA				<input type="checkbox"/> T.D.				<input type="checkbox"/> R.1.47			
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original		
1	1	15	31		61		91		121		151		181		
2	2	16	32		62		92		122		152		182		
3	3	17	33		63		93		123		153		183		
4	4	18	34		64		94		124		154		184		
5	5	19	35		65		95		125		155		185		
6	6	20	36		66		96		126		156		186		
7	7	21	37		67		97		127		157		187		
8	8	22	38		68		98		128		158		188		
9	9	23	39		69		99		129		159		189		
10	10	24	40		70		100		130		160		190		
	11		41		71		101		131		161		191		
	12	25	42		72		102		132		162		192		
	13	26	43		73		103		133		163		193		
	14	27	44		74		104		134		164		194		
	15	28	45		75		105		135		165		195		
	16	29	46		76		106		136		166		196		
	17	30	47		77		107		137		167		197		
	18		48		78		108		138		168		198		
	19		49		79		109		139		169		199		
	20		50		80		110		140		170		200		
11	21		51		81		111		141		171		201		
	22		52		82		112		142		172		202		
	23		53		83		113		143		173		203		
	24		54		84		114		144		174		204		
12	25		55		85		115		145		175		205		
	26		56		86		116		146		176		206		
13	27		57		87		117		147		177		207		
	28		58		88		118		148		178		208		
14	29		59		89		119		149		179		209		
	30		60		90		120		150		180		210		

Search Notes

Application/Control No.

10/806,775

Examiner

Ninh H. Nguyen

Applicant(s)/Patent under
Reexamination

HOPKINS, LAWRENCE G.

Art Unit

3745

SEARCHED

Class	Subclass	Date	Examiner
Above	Updated	10/6/2006	NHN

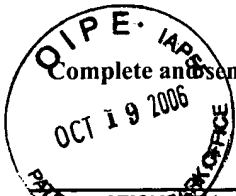
INTERFERENCE SEARCHED

Class	Subclass	Date	Examiner

**SEARCH NOTES
(INCLUDING SEARCH STRATEGY)**

	DATE	EXMR
Updated East search	10/6/2006	NHN
Interference search history printout		

PART B - FEE(S) TRANSMITTAL



Complete and send this form, together with applicable fee(s), to: **Mail** **Mail Stop ISSUE FEE**
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
 or **Fax** **(571)-273-2885**

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. Further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

00152 7590 10/12/2006

CHERNOFF, VILHAUER, MCCLUNG & STENZEL
 1600 ODS TOWER
 601 SW SECOND AVENUE
 PORTLAND, OR 97204-3157

10/20/2006 EAREGAY2 00000010 10806775

01 FC:1501 1400.00 OP
 02 FC:8001 9.00 OP

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

Charles D. McClung

(Depositor's name)

[Signature]

(Signature)

October 16, 2006

(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/806,775	03/22/2004	Lawrence G. Hopkins	CDM/8882.9999	2371

TITLE OF INVENTION: FAN ARRAY FAN SECTION IN AIR-HANDLING SYSTEMS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$0	\$1400	\$1400	01/12/2007

EXAMINER	ART UNIT	CLASS-SUBCLASS
NGUYEN, NINH H	3745	415-119000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
 (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

- 1 Chernoff, Vilhauer,
 2 McClung & Stenzel,
 3 LLP

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.111. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

Huntair Inc.

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Tualatin, Oregon

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☒ Issue Fee
☐ Publication Fee (No small entity discount permitted)
☒ Advance Order - # of Copies 3

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- ☒ A check is enclosed.
☐ Payment by credit card. Form PTO-2038 is attached.
☒ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number 03-1550 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

[Signature]

Date October 16, 2006

Typed or printed name

Charles D. McClung

Registration No. 26,568

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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LAW OFFICES

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INTELLECTUAL PROPERTY LAW

INCLUDING PATENT, TRADEMARK, COPYRIGHT
AND UNFAIR COMPETITION MATTERS

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DANIEL P. CHERNOFF

(1935-1995)

October 16, 2006

Our File: 8887.0006

Mail Stop Issue Fee
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**Re: U.S. Patent Application Serial No. 10/806,775 of Huntair Inc. Entitled
FAN ARRAY FAN SECTION IN AIR-HANDLING SYSTEMS**

Dear Sir or Madam:

Enclosed is Form PTOL-85B (Issue Fee Transmittal), in duplicate, with regard to the above-identified patent application, along with a check in the amount of \$1,409 for payment of the Issue Fee (\$1,400) and three advance copies of the patent (\$9).

Please address all notices regarding the payment of maintenance fees on the above-identified patent to Chernoff, Vilhauer, McClung & Stenzel, LLP, at the then current address for payor number 00152.

The Commissioner is hereby authorized to charge payment of the foregoing fee, or credit any overpayment, to Deposit Account No. 03-1550. A duplicate copy of this letter is enclosed.

Respectfully submitted,

Charles D. McClung

Reg. No. 26,568

Attorney for Applicant

CDM/lma
Enclosures

CL 293



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/806,775	11/21/2006	7137775	CDM/8882.9999	2371

152 7590 11/01/2006

CHERNOFF, VILHAUER, MCCLUNG & STENZEL
1600 ODS TOWER
601 SW SECOND AVENUE
PORTLAND, OR 97204-3157

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(application filed on or after May 29, 2000)

The Patent Term Adjustment is 0 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571) 272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

APPLICANT(s) (up to 18 names are included below, see PAIR WEB site <http://pair.uspto.gov> for additional applicants):

Lawrence G. Hopkins, Portland, OR;